

HANDILITER LED CANOPY LUMINAIRE

Earn LEED Energy Credits - Up to 18 Year Maintenance Cycle



FEATURES

- Die-cast aluminum housing
- Stainless steel hardware
- 60,000 hour system life
- Three optical distributions
- Use up to 80% less energy
- Luxeon rebel LED's
- 4100K – 70CRI color
- Glare free optics
- Field replaceable components
- Five year limited warranty

BENEFITS

- Durable construction
- Long life components
- 16-18 year maintenance cycle
- Maximum efficiency
- Lowest owning cost
- World class components
- Cool white maximizes visibility
- Non obtrusive
- Easy maintenance
- Tested design

APPLICATIONS

- Parking Garages
- Maintenance areas
- Tunnels
- Walkways
- Hose-down areas
- Shower rooms
- Stairwells
- Dirty environments
- Cold storage
- Classrooms

Specifications/Features

GENERAL

- Premium constructed luminaire
- Lowest energy cost
- Replaces up to 250 Metal Halide
- No maintenance for up to 18 years

CONSTRUCTION

- Die cast aluminum
- Stainless steel hardware
- Polyester powder paint
- Heat sunk LED boards
- Captive closed cell gaskets
- Glare-free LED obscuring prismatic lens
- Quick disconnect components
- Custom RAL colors
- Two side and one top 1/2" threaded conduit entry

LISTINGS/ELECTRICAL

- Wet location listed for US and Canada
- Electronic LED drivers
- Dimmable
- -40°F starting
- Surge protection
- Automatic thermal protection
- Patent pending optics
- Narrow and wide S/MH ratios
- Symmetric and asymmetric distributions

Handiliter Optical Advantage

The patent pending optics limits stray light and provides almost perfect uniformity within the task area. A conventional garage light provides 5-8 footcandles below the fixture and 1 in-between. Guth's prismatic optics eliminates hazardous LED glare.

LM80 test data for Guth's Luxeon Rebel LEDs shows performance that exceeds Energy Star guidelines intended to ensure quality solid state development. The LEDs have lumen maintenance of 98.9% after 6,000 hours while operated at 350ma with an 85°C junction temperature.



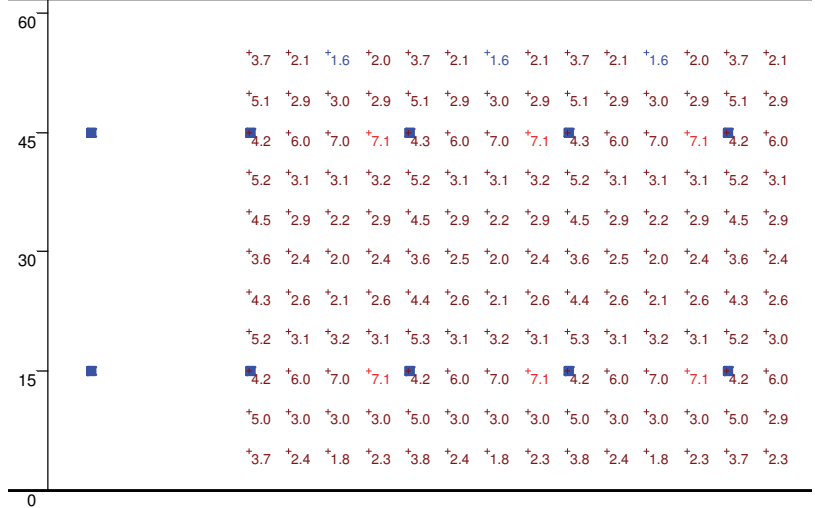
Photometrics

HL-12B-SW32L - 350ma operation
 20' x 30' spacing
 8 foot mounting height
 FC on floor
 0,0,0 Reflectances

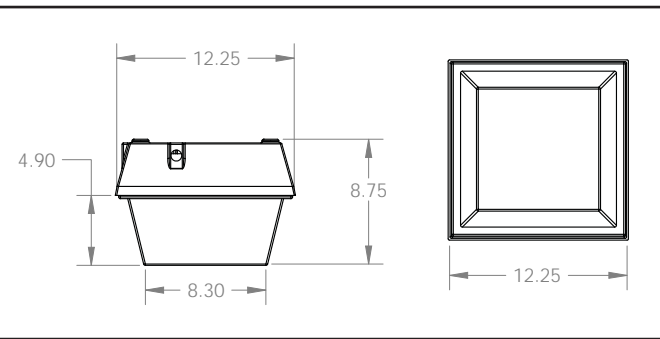
| LED Power | 350 ma | 500 ma |
|-----------|----------|----------|
| Avg. | 3.9 | 4.4 |
| Max | 5.75 | 6.4 |
| Min | 1.6 | 1.8 |
| Max/Min | 3.5 to 1 | 3.5 to 1 |
| Avg/Min | 2.4 to 1 | 2.4 to 1 |

TEN YEAR OPERATING COST COMPARISON

| Fixture | Hours/year | Lamp life | Relamp Cost | Watts | Cost/yr at .10 KWH | Power Cost | Total Cost |
|-----------------|------------|-----------|-------------|-------|--------------------|------------|------------|
| HandiLiter 32L | 4380 | 60,000 | 0 | 48 | \$21.02 | \$21.02 | \$210 |
| 175 MH Wallpack | 4380 | 12,000 | \$150 | 210 | \$92 | \$920 | \$1070 |



Dimensions

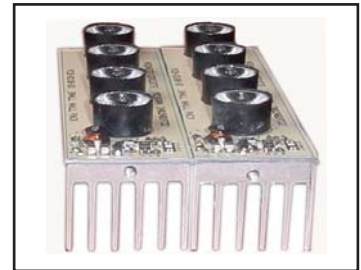


HANDILITER LED Catalogue Numbers

| HL | 12 | B | SW | 32L | 2 |
|--------|---|---|----|---|---------------------------------|
| HL | | | | | |
| Size | 12 - 12" | | | | Voltage 1 - 120V 2 - 277V |
| Finish | B - Dark bronze C - Custom RAL | | | 8 L - 8 LED's (12W) 12L - 12 LED's (18W) 16L - 16 LED's (24W) 24L - 24 LED's (36W) 32L - 32 LED's (48W) | |
| Optics | SW - Sym Wide (16/32L) SM - Sym Medium (16/32L) SN - Sym Narrow (16/32L) A - Asy Type 3 (12/24L) LAN - LAN Type 1 (8/16L) | | | | |



Lens Hides LED's



Heat Sink keeps junction temperature below 90°C

Options

- "YK" - adjustable mounting yoke
- "LHPT" - Loop Hanger w 3' pigtail
- "LHCP 1/2" - Loop Hanger, 6' cord and plug
- "WLP" - 6' cord, wet location plug and receptacle
- "DIM" - 0-10V dimming ballast (consult factory)
- "500ma" - 500ma operation

Note: Use Guth GPCF inverter for emergency lighting

Project Name:

| Type | Catalogue Number | Comments |
|------|------------------|----------|
| | | |

Guth utilizes the services of U.L. and ETL for listing products
 Specifications and data are subject to change without notice.

Guth Lighting is a Philips group brand - 06/09